ANNEXURE NO. 38

[*Vide* Unstarred Question No. 3472(a) and (b) answered on 29th April, 2002]

STATE-WISE DETAILS OF THE JAI VIGYAN NATIONAL SCIENCE & TECHNOLOGY MISSIONS

Sl. No.	Project Title/Activities	States Covered	Details of areas/fields of the project	Financial Details	
				Amount earmarked	Released/ Spent
1	2	3	4	5	6
	Indian Council of Agricultural Research				
1.	Household Food and Nutritional Security.	19 States including **Andhra Pradesh**	Covers six areas *viz.* Life support crop spp.; Horticulture and vegetable gardening; improving livestock productivity; enhancing fresh water fish production; value addition and post harvest management; and impact assessment of technology intervention.	Total outlay Rs. 11.10 crores Outlay for 9th plan is Rs. 8.76 crores	Released Rs. 8.76 crores Spent Rs. 3.36 crores
2.	Conservation of Agrobiodiversity	All States	Survey, inventorization and germplasm collection; germplasm maintenance/regeneration, evaluation and genetic enhancement; conservation of plant biodiversity; documentation and information management.	Total outlay Rs. 17.28 crores Outlay for 9th plan is Rs. 13.14 crores	Released Rs. 13.14 Spent Rs. 7.50 crores.
	Department of Atomic Energy				
3.	Application of nuclear technology inmedicine	Maharashtra	The research programme involves standardization of Scintigraphy procedures in canine heart, GFR protocol by 99m Tc-DTPA in Canines and a study on canine mammary gland neoplasia and its surgical management.	Rs. 52.00 lakhs	Rs. 50.00 lakhs
	Department of Biotechnology				
4.	Development and production of new generation vaccines and diagnostics for infectious diseases.	All States	Vaccines for six major diseases like Cholera, Rabies, Japanese encephalitis, Malaria, Tuberculosis and HIV/AIDS are being developed under this programme.	937.78 lakhs	860.31 lakhs

1	2	3	4	5	6
5.	Biotechnological approaches for coffee :improvement	All States	Molecular and cytological characterization of Coffee germplasm and development of molecular linkage maps; studies on physiological and molecular aspects of abiotic stress (with reference to genetic variability in root characteristics) and stress response gene associated with oxidative stress; Agrobacterium based transformation methodologies for engineering disease resistance and low caffeine; isolation of microbial gene for degradation of Caffeine; Testing of efficacy of Bt. Based biopesticides and related transformation methodologies in coffee.	224.00 lakhs	173.38 lakhs
6.	Biotechnological approaches towards herbal product development	All States	The project aims at converting the available research leads into potential herbal products using various biotechnological approaches. Technologies are been developed for (i) Improved ergot production (*Claviceps purpurea*), (ii) high yielding *Artemisia annua*. (iii) Immuno modulatory compound from *Tinospora cordifolia* (iv) herbal compound for *Atherosclerosis/ hyperlipidaemia* and anti arthritic agents.	125.36 lakhs	95.57 lakhs
7.	Setting up of mirror sites for genomic research	All States	Presently five mirror sites are established under the Jai Vigyan Scheme in the BTIS programme Protein Data Bank, Genome Data Bank, European Bioinformatics Institute, Plant Genome Database, Public Domain Resource in Biology in the States of Karnataka, Maharashtra, Delhi, Punjab respectively.	Rs. 144.00 lakhs	Rs. 144.00 lakhs
	Council of Scientific & Industrial Research				
8.	Design and Development, fabrication and airworthiness testing of Light Transport Aircraft (LTA)	All States	Design, fabrication and airworthiness testing of a 9-14 seater Light Tmasport Aircraft.	Rs. 131.38 crores	108.9 crores
	Ministry of Environment & Forest				
9.	Setting up of Noida Botanical Garden	Noida, Uttar Pradesh	The project is yet to be implemented	Rs. 37.77 crores	Nil

	Ministry of Information Technology				
10.	Technology Development for Indian Language	Karnataka Maharashtra, West Bengal. Tamil Nadu	The programme relates to the development, deployment and enabling of information processing tools for processing of Indian languages. The programme also aims at content creation in Indian languages and dissemination of knowledge through Indian languages. MIT has initiated thirteen Resource Centres for Indian Language Technology Solutions covering all 18 Indian languages.	Rs. 28.05 cores	Rs. 9.00 crores
11.	National Programme for Braille Literacy with application of information technology.	All States	The project on Braille literacy in Indian languages has been initiated to create IT infrastructure in the country for education, training and employment of blind population. 30 blind schools have been identified in the country. The list is available.	Rs. 10.35 crores	Rs. 450 lakhs
12.	National Programme for deployment of indigenously developed Integrated Medical LINAC for cancer therapy	All States	It relates to radiotherapy treatment of cancer patients. The objective of the projects is to develop state of the art 6MeV linac machine and establish manufacturing base in the country. Under this programme six 6MeV linac machines will be fabricated and installed in cancer treatment hospitals.	Rs. 14.95 crores for 1st phase Rs. 7.00 crores	Rs. 3.38 crores
	Department of Ocean Development				
13.	Ocean thermal energy conversion.	All States	The project envisages construction, erection and commissioning of a closed cycle 1 MW OTEC Plant on a floating platform. The OTEC site is 60 km off the Tuticorin coast.	61.13 crores	56.25 crores
	Indian Council of Medical Research				
14.	National Mission Mode Programme on Control of Thalassemia	All States	The study aims at educating, screening, councelling and identifying couples at risk of having Thalassemic children so as to prevent birth of these children and developing a national referral system for control of Thalassemia major in the country. This project is in progress since 1.3.2000 in 6 states which include Maharashtra, Gujrat, Assam, West Bengal, Punjab and Karnataka.	Rs. 4.26 crores	Rs. 3.00 crores

1	2	3	4	5	6
15.	Jai Vigyan National Mission for Rheumatic Fever/Rheumatic Heart Disease prevention	All States	The first component of collection throat and skin swabs samples from children to identify the prevalent strains of Streptococci for vaccine development was taken up at both the Centres PGI, Chandigarh and CMC, Vallore. Under the registry component three proposed registries PGI, Chandigarh, CMC, Vellore and AIMS, Cochin have been set up.	Rs. 2.06 crores	1.77 crores
	Department of Science & Technology				
16.	Technology Mission for Visually Impaired	2 States	There are two projects, both are related to persons with visual impairment. One is aimed at finalizing the design of an LPG stove suitable for use by blind persons and having 100 stove field tried all over the country. The other relates to development of maps in Braille for use by blind persons.	Rs. 14 lakhs	Rs. 11 lakhs
17.	Technology Mission for Himalayan Geology with special reference to prevention of natural disasters.	Uttar Pradesh, North-East Region, Assam, Nagaland, Mizoram, Manipur, Sikkim and Arunachal Pradesh.	Establishment of multi-parameter geophysical observatory in Allahabad, Establishment of six new seismological observatories in NE region and Geotechnical investigations in NE region were identified and approved by Standing Finance Committee.	Rs. 4.00 crores	Rs. 2.30 lakhs
18.	Area Development Mission for Andaman and Nicobar Islands through Science & Technology (a) Formulation of overall strategy.	Andaman & Nicobar	The projects have been identified in the areas of Human Resource Development, Fisheries, Medicinal Plants, Housing, Energy, Environment, Food Processing and water management. So far 5 projects have been initiated in the areas of Medicinal Plants, Environment, Human Resources and Aquaculture. The projects relate to preparing inventory of medicinal plants, conducting training programme in aquaculture and vermiculture and disposing of plastic waste through plasma incineration.	Rs. 65.57 lakhs	Rs. 44.50 lakhs
	(b) Biodiversity characterization at landscape level using satellite remote sensing and geographic information system in Andaman & Nicobar Islands. (is being implemented by the DOS).		Preparation ecological zone maps for topographical/bio-climatic informaiton and landscape characteri- zation to establish disturbance gradient and prioritisation of phyto gegraphical importance sites, their spatial extent and risks.	Rs. 115.33 lakhs	Rs. 42.72 lakhs

19.	Jai Vigyan Swasthya Project for Rural Areas — A remote medical diagnostic system.	**Andhra Pradesh**	The project is being implemented in and around Vijayawada (A.P.). The project aims at linking up 100 general practitioners to 5 Regional Diagnostic Centres which will be subsequently linked to the core centre, a multi-disciplinary hospital at Tadapalli. The project aims at moving data instead of moving patients unless it is essential. The 100 general practitioners will be identified in adjoining districts adjacent to Vijayawada.	The TDB has agreed to provide a loan asssistance of Rs. 480 lakhs against the total project cost of Rs. 998 lakhs.	Rs. 460 lakhs
	Department of Space				
20.	Cropping system studies using remote Sensing and GIS.	Punjab, West Bengal and Assam	To create an up to date spatial database of variant components of the present cropping system — mainly related to crop aspects using remote sensing data; to integrate invariant components like soil, physiography, input management etc. through GIS; develop a procedure to identify equipotential areas; and to evaluate the performance, potential and problems of the present cropping system; finally to prescribe alternate/ modification required for crop intensification and sustainability.	Rs. 40.00 lakhs	Rs. 30.00 lakhs
21.	Disaster Management	Andhra Pradesh, Bihar, Jharkhand, Gujarat, Haryana, Karnataka, Madhya Pradesh, Chhatisgarh, Maharashtra, Orissa, Rajasthan, Tamil Nadu, Uttar Pradesh, and Uttaranchal.	To provide operational near real-time natural disaster information services like— monitoring of agricultural drought; flood occurrence, inundation & damage assessment; cyclone impact mapping & damage assessment, drought etc. to concerned user agencies in the country, up to the District Administration levels; data from various available satellites; to integrate the natural disaster information obtained through ground and space based observations for generating quick response services through space based communication links for relief, rehabilitation and long-term disaster mitigation planning.	Rs. 600 lakhs	Rs. 450 lakhs